

537, 081

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number  
WO 2004/052135 A1

(51) International Patent Classification<sup>7</sup>: A43B 13/18,  
23/28

MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,  
SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN,  
YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/US2002/038955

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,  
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date: 5 December 2002 (05.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant and

(72) Inventor: CARROLL, Lester, E. III [US/US]; 330 Fort  
Pickens Road 1D, Pensacola Beach, FL 32561 (US).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

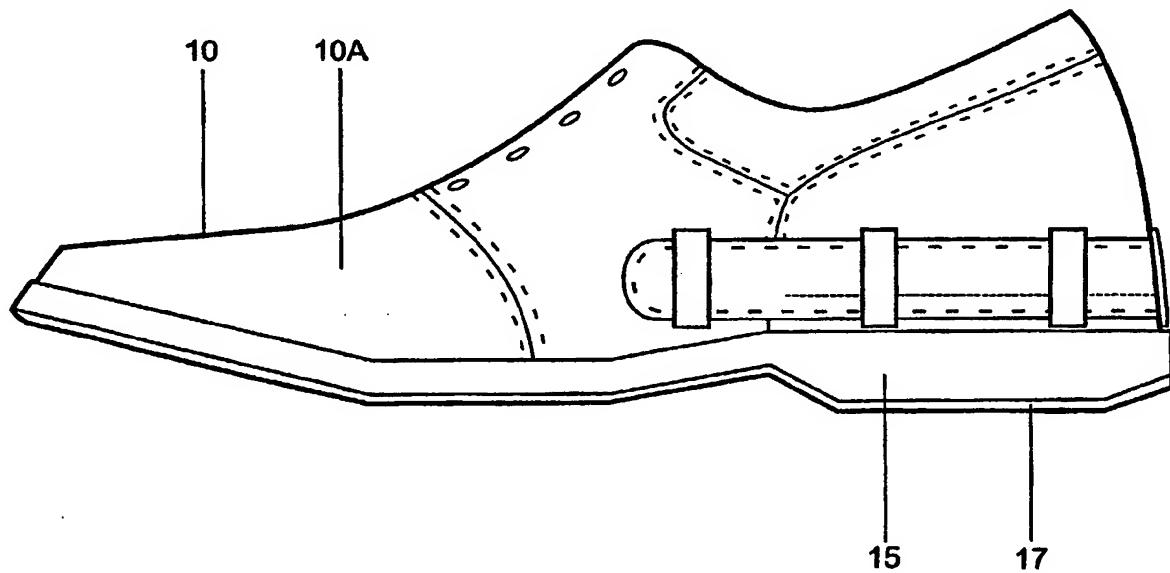
Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,

(54) Title: SHOE PROVIDING VERTICAL/HORIZONTAL HEEL PRESSURE DIMINISHMENT



WO 2004/052135 A1

(57) Abstract: The modified oxford shoe (10) providing vertical and horizontal heel pressure diminishment including an optional means of adjusting pronation is an inventive device which diminishes pressures to the heel with a floating collar and supple counter assembly with adjusting strap, with spacing studs attached strategically to the sides of the midsole (15) to prevent exterior pressure to the heel and with a multi functioning cushion assembly coupled with adjustable underlying steel springs and resilient midsole (15) and wearing surface (17) to diminish pressure to the bottom of the heel and provide pronation adjustment if needed.